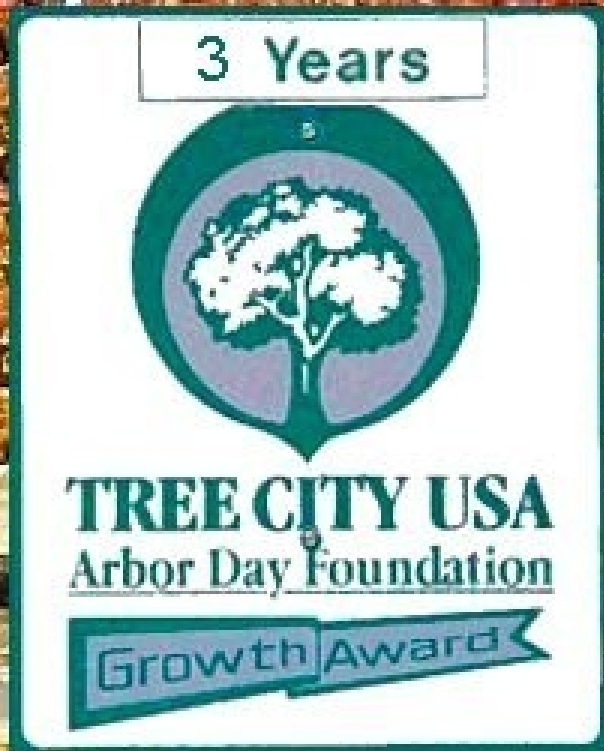


Welcome to

Pope AFB Earth Day 2001

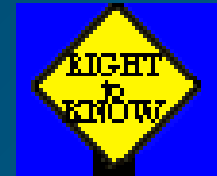


Today we will introduce you to our

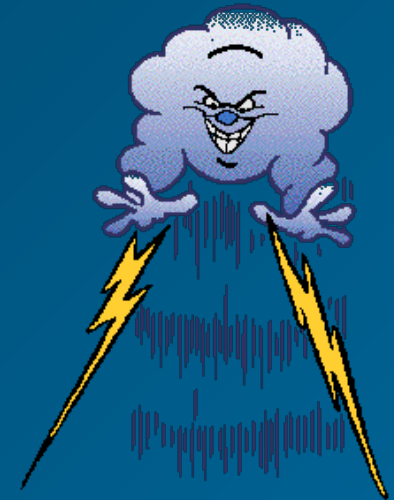


**Hazardous Materials Management
Program,**

**HAZCOM
Program,**



**Recycling
Program,
and**



**Storm Water Pollution Prevention
Program**



Hazardous Materials Management Program



LESS IS BEST!!

Definition:

Hazardous Materials are materials that pose a risk to human health or to the environment are identified in 29 CFR 1910.1200 and Std 313D

Hazardous Materials do not include munitions, pharmaceuticals, or hazardous



Hazardous Materials Management Program

(cont)
**How do I obtain needed
Hazardous Materials?**



You must first submit an AF Form 3952 (Chemical/Hazardous Material Request)

This request must then be reviewed and approved by:

- ▣ **Bioenvironmental Engineering (BEE)**
- ▣ **Wing Safety (SE), and**
- ▣ **Civil Engineering (CE).**

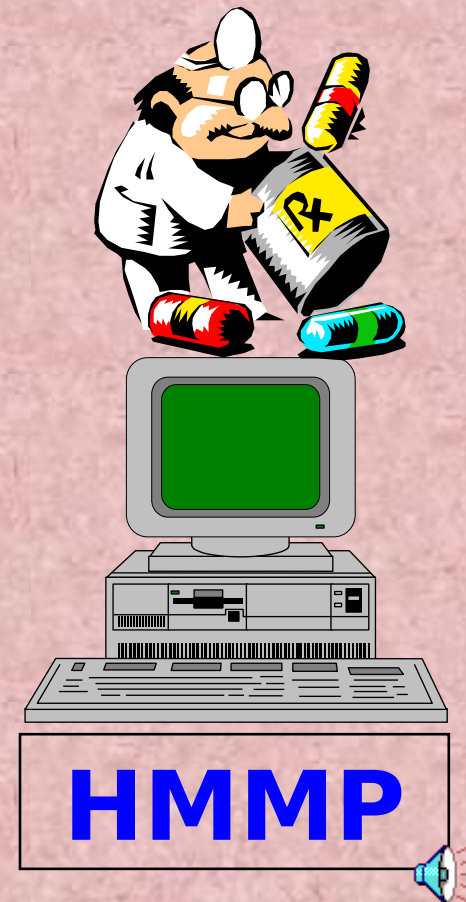


Hazardous Materials Management Program

This review determines (cont)

- If the material is required by Technical Order (TO) or other direction,
- If it is the most environmentally benign product, and
- If the quantity and frequency requested is the minimum necessary to complete your job requirements.

The approved 3952 may also provide guidance on personal protective equipment (ppe), safe handling, and proper disposal of wastes.
(Complete ppe, handling and disposal requirements are determined by BEE, SE and CE inspections)



Hazardous Materials Management Program

OK, you've got approval to obtain this material,

(cont)

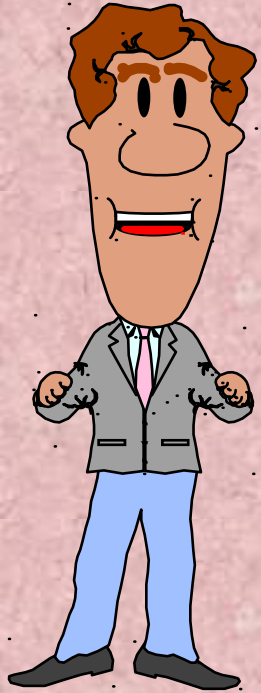
Request the material from HAZMART (preferred source).

If not available in a timely manner HAZMART will authorize you to utilize other sources of supply. Remember, all hazardous materials must be bar coded and tracked within the AF-EMIS system.

- Keep no more than a 10 day unopened supply on hand.
- Separate incompatibles during storage (ex-acids and
- Make sure all containers are properly labeled (transfers).



Hazardous Materials Management Program



Let's go over what we've learned.
(cont)

- Hazardous Materials are materials that pose a risk to human health or to the environment. You should only use those hazardous materials that are required to complete your mission. Obtain approval prior to obtaining any hazardous materials.
- Whenever possible replace, reduce, reuse, or recycle hazardous materials or wastes.
- ~~Be sure~~ all containers are properly labeled, materials properly stored, and wastes properly disposed of.

Remember: LESS IS BEST!!



NOW, ON TO AN INTRODUCTION TO THE HAZARD COMMUNICATION PROGRAM IN THE WORK PLACE



Hi, I'm your local
HAZCOM representative

I'm here to talk to you
about the HAZCOM
Program and what it
means to you.

We'll be talking about
MSDS's, training, the
hazardous chemical
inventory, and non-routine
tasks.

*You have a right to know!
What is it?
How do I use it safely?*

REF. AFOSH Standard 161-21



MATERIAL SAFETY DATA SHEETS (MSDS's)

MSDS information will be readily available to all workers through the work center supervisor.

MSDS's provide information on material composition, fire, explosion, and reactivity data, disposal procedures, health hazards, protection information and environmental information. Work center supervisors will show

all workers the location of the MSDS files.


• In case of any off-duty emergencies, contact the Clinic Emergency Room.

• If you need more information about your work center MSDS's, contact Bioenvironmental.



EMPLOYEE INFORMATION AND TRAINING

Before you handle or are exposed to any hazardous materials your supervisor must ensure that you have been trained in the two-part HAZCOM training program.



***PART I- AFOSH
161-21.1W**

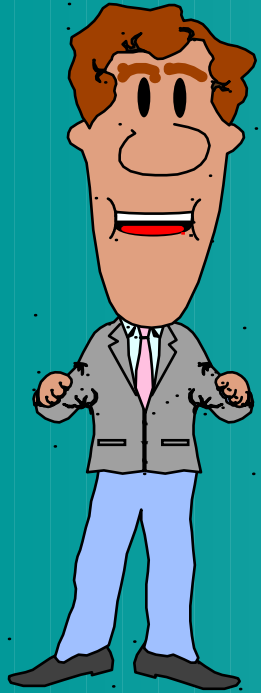
***PART II-
Work Center
Specific**

▮ **PART I: AFOSH STD 161-21, Federal Hazard Communication Training Program (MSDS's)**

▮ **PART II: The second portion is activity-specific and work centers that work regularly with a hazardous material need chemical specific training.**



HAZARDOUS CHEMICAL INVENTORY



A hazardous chemical inventory for each work area will be developed by the supervisor, with assistance from BEE.

(Bioenvironmental will review this inventory during inspections)

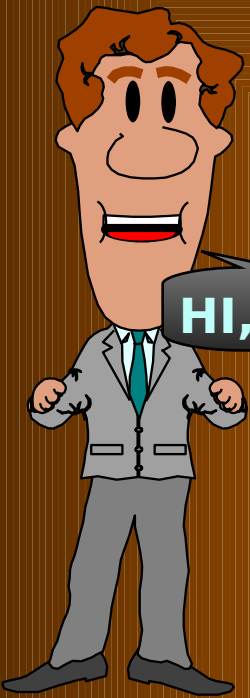
Supervisors must maintain the hazardous chemical inventory in the work area and update it as necessary.

Before any new chemicals are introduced into the work area, you must first submit a Chemical/Hazardous Material Request (AF Form 3952) and have it approved by Bioenvironmental, Wing Safety and CE.

Work center hazardous chemical inventories should, at a minimum, summarize materials for which you have MSDS's.



NON-ROUTINE TASKS INVOLVING HAZARDOUS MATERIALS



Hi, I'm your Boss !!

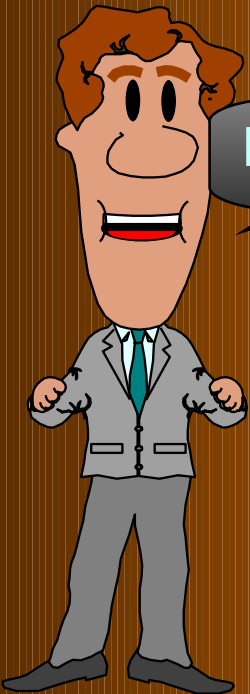
As your supervisor, I'll list all non-routine tasks performed in this work center which involve hazardous materials.

SUPERVISORS ARE RESPONSIBLE FOR:

1. Creating or maintaining Operating Instructions (OI's) that describe, in detail, all non-routine tasks involving hazardous chemicals in your work area. (OI's are not needed if Technical Orders (TO's) or other official documents adequately describe these tasks).
2. Insuring that all workers have reviewed these instructions before they perform any non-routine tasks.



NON-ROUTINE TASKS INVOLVING HAZARDOUS MATERIALS



Hi, I'm back !!!

WORKERS ARE RESPONSIBLE FOR BEING FAMILIAR WITH:

1. OI's, in detail, describing hazardous materials in their work area.
2. TO's or other official documents describing these tasks.
3. Procedures, prior to performing any non-routine tasks.





Your HAZCOM Rights



▮ You have the right-to-know what the material is and how it can effect you and your future

▮ You have the right to training on how to safely handle materials and how to protect yourself

And, you have the right to use your knowledge and training!

▮ Read labels on materials

▮ Know where the MSDS's are located and use them

▮ Consult written HAZCOM program and your supervisor

▮ Use proper techniques and personal protective equipment (ppe) when handling hazardous materials



HAZARD COMMUNICATION PROGRAM

Now, let's sum up what we've talked about:

1. MSDS's and what they are all about
2. Training and information requirements
3. Hazardous chemical inventory
4. Non-routine tasks that involve hazardous materials

Remember: this slide show is strictly a briefing. If you have any questions concerning the HAZCOM Program please refer to AFOSH Std 161-21 as the final authority



Solid Waste Recycling

Why should we recycle?

- **Recycling preserves our dwindling natural resources for us and for future generations**
- **Recycling decreases waste going into landfills which preserves scarce landfill space and decreases disposal costs**
- **Recycling generates income for the base through sales of these recycled materials**
- **Recycling prevents the potential release of pollutants into the environment that could occur in landfills**
- **And, recycling makes the best use of our squadrons' dwindling resources**

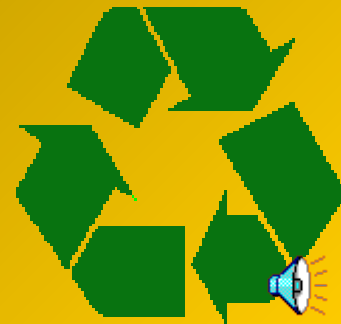


Solid Waste Recycling

What do we recycle here at Pope AFB?

- Metals - aluminum, brass, copper, steel and stainless steel
- Paper - white, multi-colored, and shredded paper, as well as bound documents and books
- Cardboard, plastic drink containers, tin (steel) cans, newspapers and magazines
- Used oil, used synthetic oil, off-spec fuels, and solvents
- Batteries (NiCad, Mercury, Lithium, Magnesium, and Lead Acid)
- Aircraft tires, automobile tires, antifreeze and absorbents

Please segregate items as much as possible at the pickup



Solid Waste Recycling

How well are we doing?

- We have an Air Force goal of 32% solid waste diversion for this year, so far we have been at 20.6% for the year
- The Air Force goal increases 2% each year through 2005 when it reaches 40%

WE ARE NOT ACHIEVING OUR GOAL!

WE NEED YOUR HELP!

- Please take all recyclables to the recycle areas located in each building or contact the CAS at 4-1900 for metals, batteries, etc
- Together we CAN make a difference





The New Pope AFB



Recycling Program

Please help us by recycling the following items.

Aluminum AND Metal (tin) Cans:



But please rinse before placing in recycling container

Magazines and Newspapers:



Newspapers and magazines **must be bundled separately or placed in brown paper bags by container.**

Paper Products:



All paper is now acceptable (white paper, multicolor paper, computer paper, bagged shredded paper, etc.).
Please remove all staples and carbon paper

Glass and Plastic Containers:



Remove caps/tops/lids and rinse before placing in recycling container.

Cardboard:

All cardboard **except** cardboard with food residue (no pizza boxes). Please break-down large boxes and stack next to recycling container. Remove liners from cereal/food boxes.



Place by container.



FH Pickup begins at 0700 Fridays. Please do not contaminate recycling containers with non-recyclables, yard debris, and food wastes. Contractor will not pick up contaminated containers.



Points-of-Contact: Mr. Garland Evans, Environmental Manager, 4-1635 or Ms. Rita Greeson, Contract Manager

Metals Recycling Program

We at Pope are currently in the process of thoroughly reviewing our entire metals recycling program. We are studying which scrap metals we produce, the current market values for each metal, and the efforts required to actually separate and transport the scrap f

We have found that shop personnel were spending large amounts of time each year waiting in a line to dispose of scrap. Many metals were disposed of as solid waste because it saved time, and the value we received after we did wait in line was somewhat below the market value



Metals Recycling Program

To improve our current situation we have instituted a contractor operated metals recycling center. The center is located at the Centralized Accumulation Site (CAS) and operated by Pacific Environmental Services



We pick up at each known metals accumulation site at each activity on base. If you are not aware of our program and would like to get more information, please contact either Mike Lamm at the CAS (910) 394-1900 or Jerry Dees

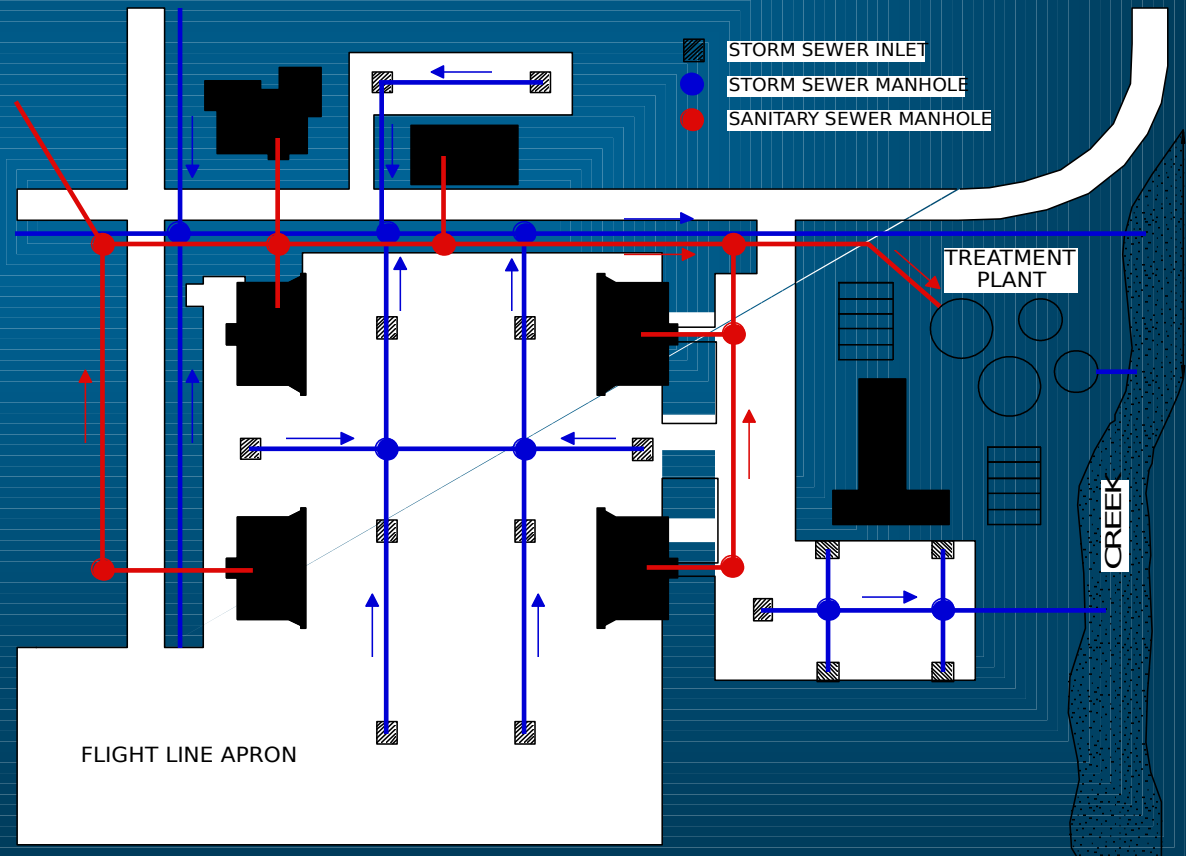


Storm Water Pollution Prevention

Pope AFB has two separate drainage systems

1- Sanitary Sewer which drains the various base buildings to the waste water treatment plant.

2- Stormwater system which drains parking lots, roads, the flight line apron, runway, taxiways and grassy areas to the various creeks and into the Little River.



Storm Water Pollution

Prevention



Energy
Dissipater

The Clean Water Act (CWA) requires industrial facilities to reduce, minimize, or eliminate sources of pollution to stormwater runoff. Pope AFB is an industrial facility and therefore must comply by law or be subject to fines and/or jail time for polluting.

Stormwater Pollution Prevention includes containing spills and leaks throughout parking lots and the flight line apron and eliminating all non-storm water discharges through drains, including releases at Military Family Housing.



Storm Water Pollution

Prevention

Sources of Storm Water Pollution at
Pope Air Force Base, NC

▮ Aircraft Maintenance Operations

▮ Runway Operations

▮ Spills or Leaks During Fueling Operations

▮ Leaking Aircraft and Equipment

- Leaking Cars in Parking Lots

- Soil Erosion



Follow SOP's, repair leaks, be careful during maintenance and fueling operations, clean up releases immediately, and adhere to these guidelines at home too



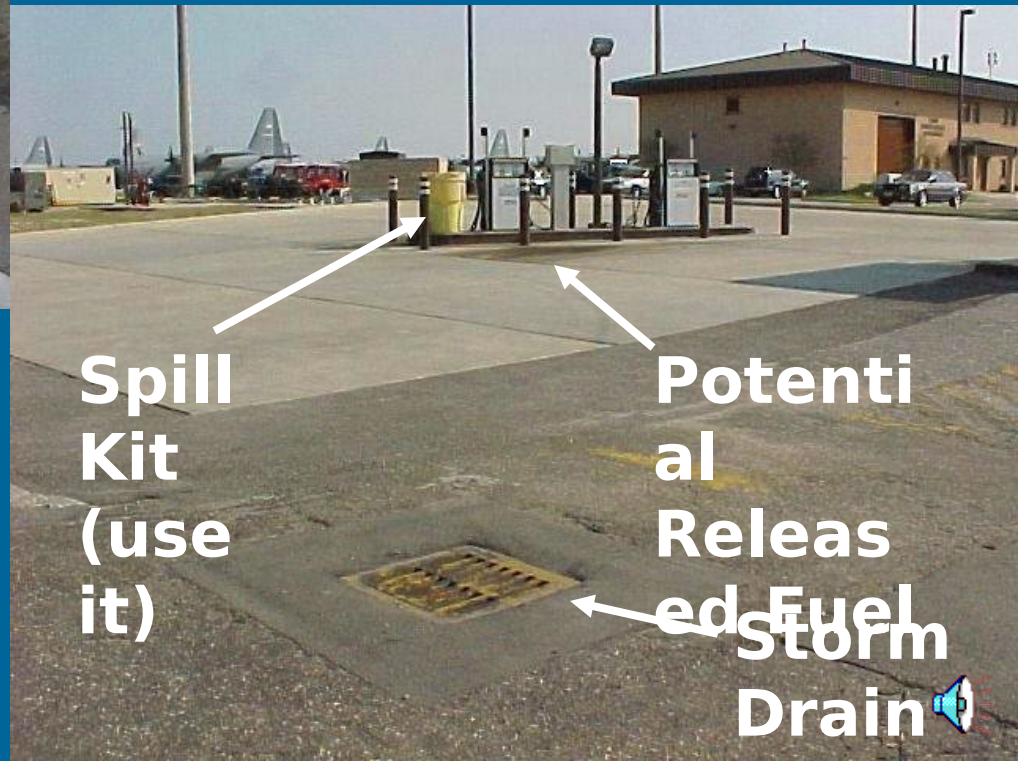
Storm Water Pollution Prevention

Sources of Storm Water Pollution at Pope AFB



When it rains, everything on the ramps and runways washes into the creek.

Fuel releases while fueling will wash into the storm drain and



Storm Water Pollution

More Sources of Storm Water Pollution at Pope AFB



**Leaking
Vehicles**



**Storm
Drain**

**Leaking
Equipment**



**Storm
Drain**

**Vehicle
Parking
Area**

When it rains all this washes into the storm water system!



Storm Water Pollution Prevention

Results of Poor Storm Water Pollution Prevention



**Energy dissipater,
where the Blue Ramp,
and approx. 50% of the
airfield drains into the
creek/**



Sheen

**Soil erosion gets
washed into the creek
when it rains.**



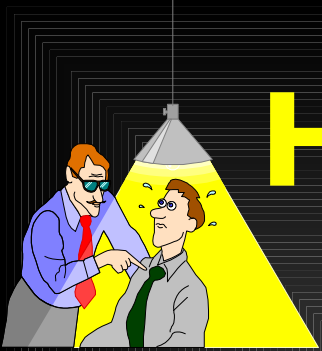
Storm Water Pollution

Prevention What can I do to help?

- Use drip pans for leaking equipment and aircraft.
- Cleanup ALL spills no matter how small.
- Keep vehicles maintained and fix leaks as soon as possible.
- Do not dump near storm drains or in parking
- Keep areas landscaped and grassed to stop soil erosion.

We Can Make A Difference!





How can I get more information?



This show has strictly been a briefing. For questions or a more in depth explanation regarding Hazardous Materials please refer to POPEI 32-113 and AFI 32-7086, for HAZCOM refer to AFOSH Std 161-21, for Pollution Prevention or Recycling refer to AFI 32-7080, and for Storm Water refer to the Pope AFB Storm Water Pollution Prevention Plan and on the Pope AFB Internet sites with lots of helpful information and links to these and other regulations and training aids. 43d Support Group (43SPTG), 43d Civil Engineer Squadron, Environmental.

If you can't find an answer to your questions here, please contact 43 CES/CEV

at 204 4105

